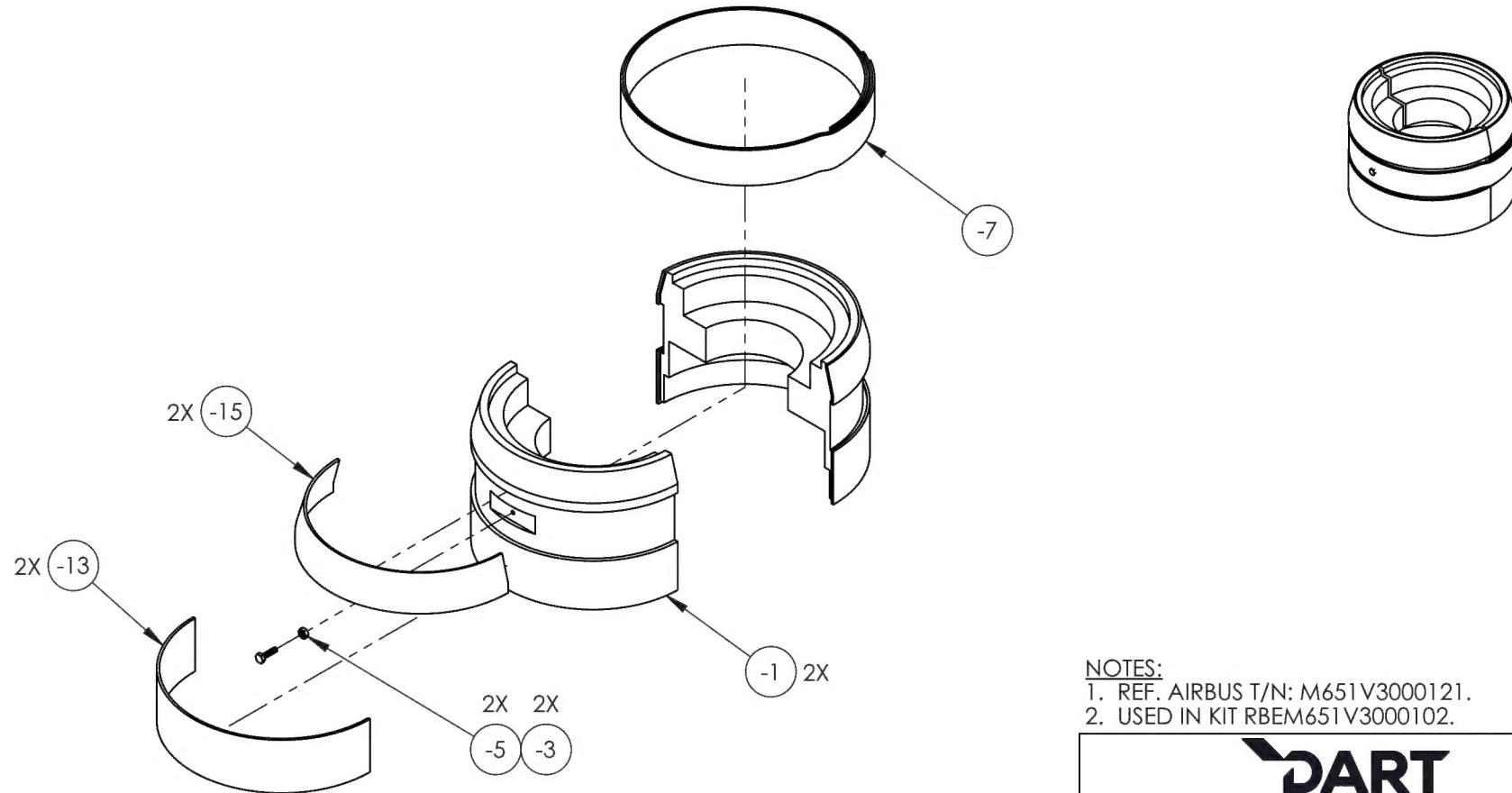


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION			6/27/2016	SM	JAG
2	16-0209	-1 CH'D DIM'S WAS .017 ±.010 IS (.063), WAS 2.81 IS 2.76, WAS 2.61 IS 2.56, WAS M3X0.5 -6H $\overline{\Delta}$.24 IS M3X0.5 -6H $\overline{\Delta}$.24. -9 CH'D DIM WAS 1.00 IS (1.00).			11/2/2016	RJC	JAG



NOTES:
 1. REF. AIRBUS T/N: M651V3000121.
 2. USED IN KIT RBEM651V3000102.



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	2	COLLAR	DELRIN/ACETRON GP	WHIITE	2
		B/O	-3	2	HEX HEAD CAP SCREW	NYLON	M3 x 0.5 x 12mm (ESSENTRA COMPONENTS # SXHM3L12A)	1
		B/O	-5	2	HEX NUT	NYLON	M3 x 0.5 (MCMASTER-CARR # 93800A400)	1
X			-7	1	VELCRO STRAP			3
1	B/O	-9		1	VELCRO, LOOP	VELCRO	1" LOOP VELCRO, BLACK (MCMASTER-CARR # 9489K501) MOD.	4
1	B/O	-11		1	VELCRO, HOOK	VELCRO	1" HOOK VELCRO, BLACK (MCMASTER-CARR # 9489K306) MOD.	5
	B/O	-13		2	BOTTOM FELT	FELT	1.5 X 1/16 ADHESIVE FELT STRIP (MCMASTER-CARR # 5051K481) MOD.	6
	B/O	-15		2	TOP FELT	FELT	1 X 1/16 ADHESIVE FELT STRIP (MCMASTER-CARR # 5051K431) MOD.	7
ASSY -7								

TITLE
FRONT SHAFT PROTECTOR

DWG NO. RBEM651V3000121

REV 2

MAT'L
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

HEAT TREAT
.XXX ± .005 FRACTIONS ± 1/8

FINISH
.XX ± .01 ANGLES ± 5°

SPEC
X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R

2. DIMENSIONAL LIMITS APPLY AFTER PLATING

3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

DRAWN BY: MACKOVJAK

CHECKED: DUERFELDT

OPPS APPR: ANDERSON

QA APPR: LINDSAY

APPROVED: GILBERT

USED ON MODEL

H175

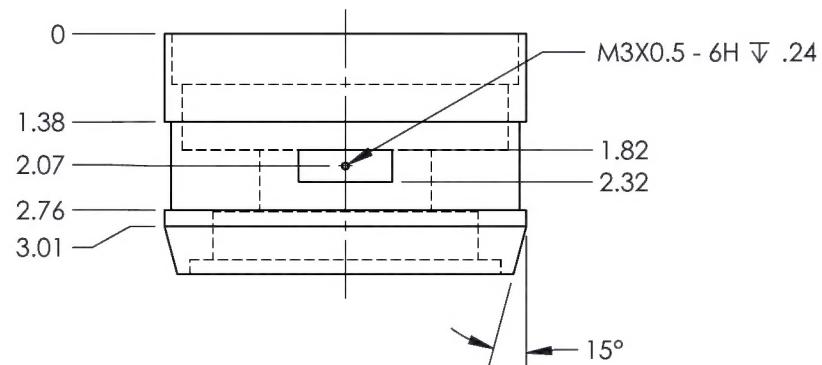
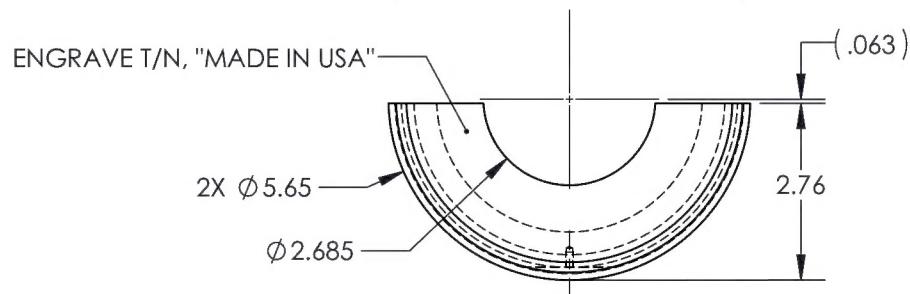
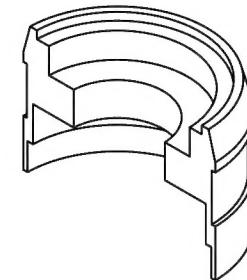
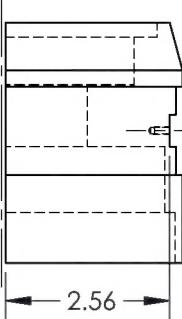
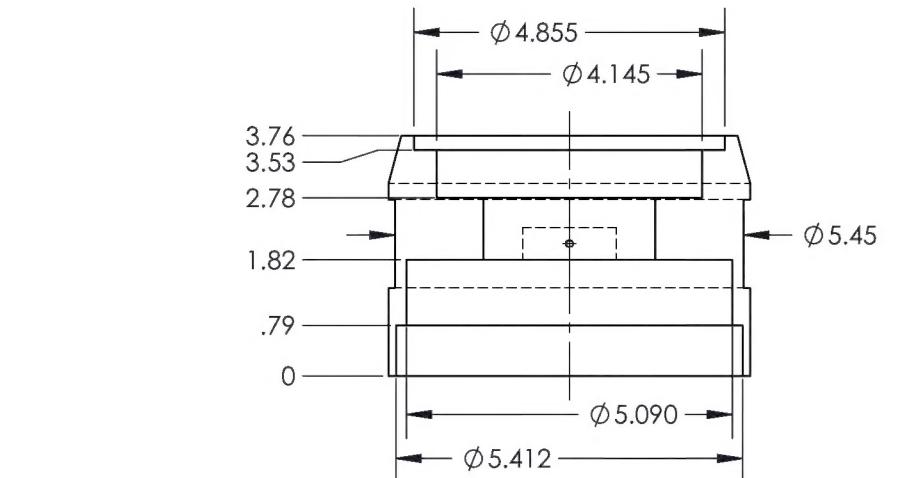
SCALE 1:4

DATE 4/21/2016

SHEET 1 OF 7

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
2	16-0209		-1	CH'D DIM'S WAS	.017 ±.010 IS (.063), WAS 2.81 IS 2.76, WAS 2.61 IS 2.56, WAS M3X0.5 -6H \overline{V} .24 IS M3X0.5 -6H \overline{V} .24.				11/2/2016		RJC	JAG					

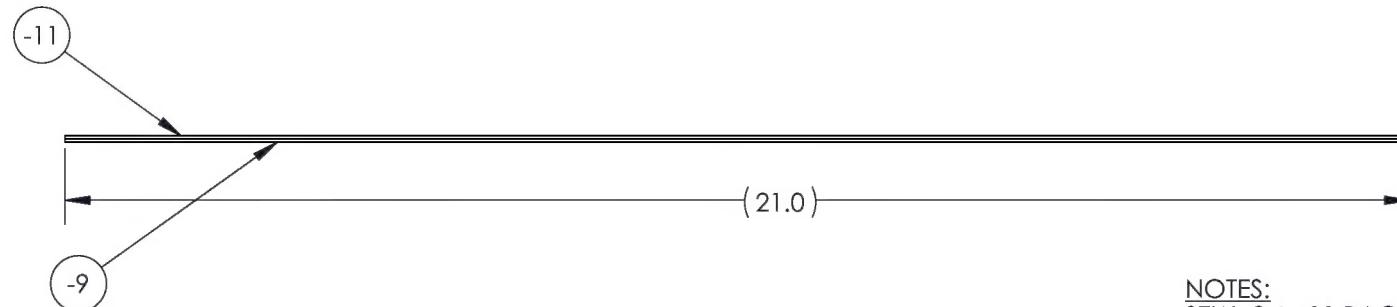
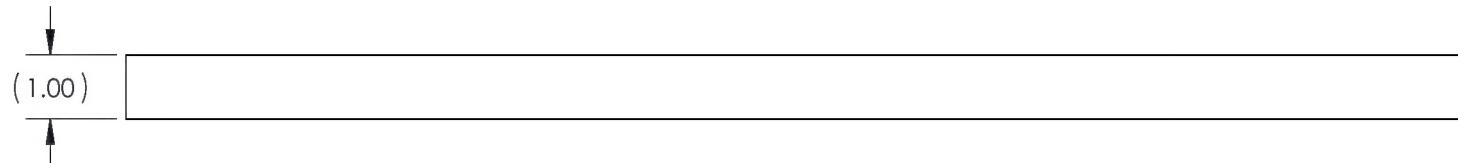
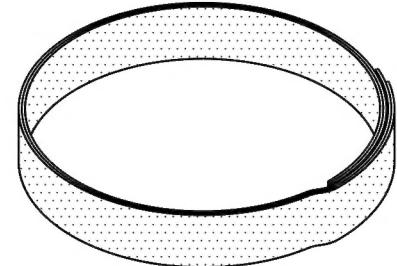


(-1)
COLLAR

DART AEROSPACE	
FRONT SHAFT PROTECTOR	
DWG NO. RBEM651V3000121-1	
REV	2
MATERIAL: DELRIN/ACETRON GP	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	.XX ± .01 ANGLES ± 5°
FINISH	X ± .1 SURFACES = 125
SPEC	✓
DRAWN BY:	MACKOVJAK
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:3
DATE	4/21/2016
SHEET 2 OF 7	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
-----	-----	-----------	-------------	------	---------	----------



NOTES:
SEW -9 & -11 BACK TO BACK.



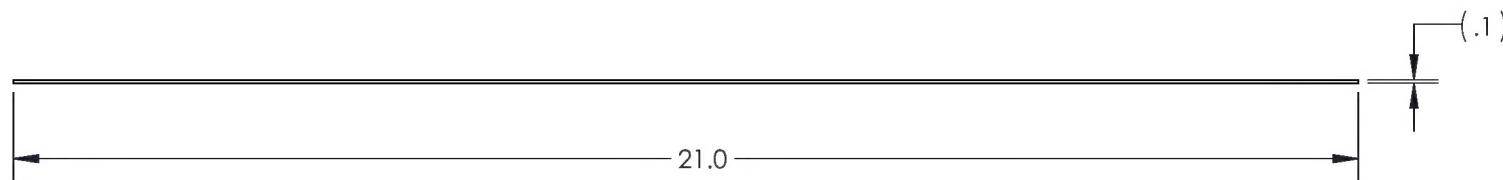
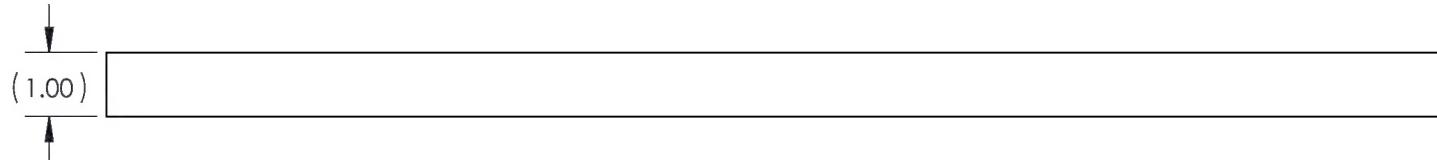
TITLE	
FRONT SHAFT PROTECTOR	
DWG NO.	RBEM651V3000121-7
REV	2
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
SPEC	X ± .1 SURFACES = 125 ✓
DRAWN BY:	MACKOVJAK
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:3
DATE	4/21/2016
SHEET 3 OF 7	

(-7)

VELCRO STRAP

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0209	-9 CH'D DIM WAS 1.00 IS {1.00}.	11/2/2016	RJC	JAG



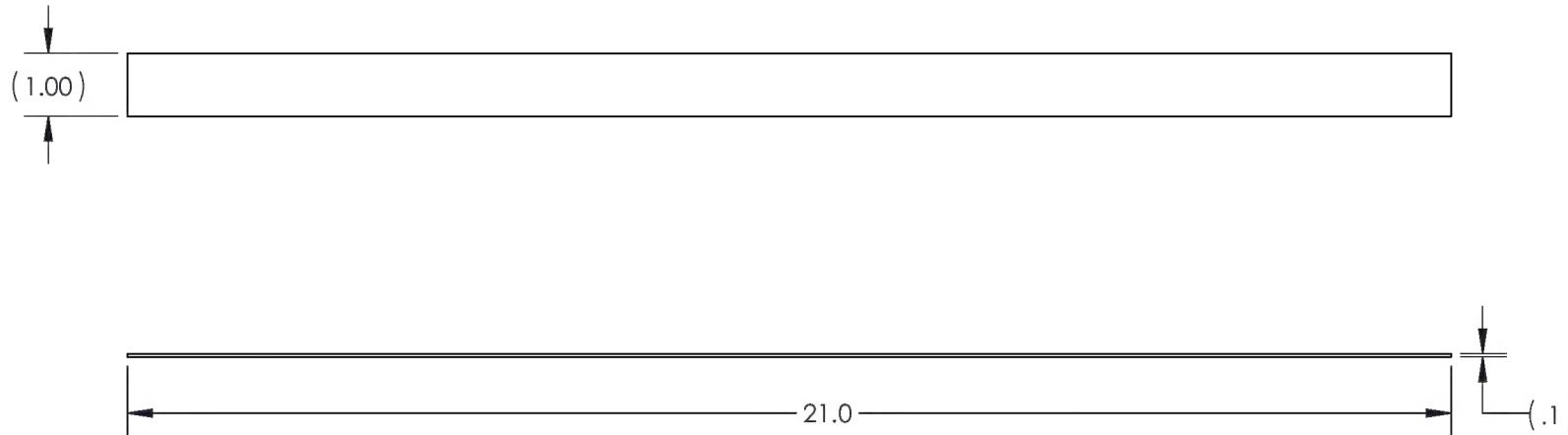
(-9)

VELCRO, LOOP

DART AEROSPACE																											
TITLE																											
FRONT SHAFT PROTECTOR																											
DWG NO. RBEM651V3000121-9																											
REV 2																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">MATERIAL</td> <td style="width: 50%;">UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>VELCRO</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>HEAT</td> <td>.XXX ± .010 FRACTIONS ± 1/8</td> </tr> <tr> <td>TREAT</td> <td>.XX ± .03 ANGLES ± 1°</td> </tr> <tr> <td>FINISH</td> <td>X ± .1 SURFACES = 125</td> </tr> <tr> <td>SPEC</td> <td>✓</td> </tr> <tr> <td>DRAWN BY: MACKOVJAK</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>CHECKED: DUERFELDT</td> <td>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>USED ON MODEL</td> </tr> <tr> <td>APPROVED: GILBERT</td> <td>H175</td> </tr> <tr> <td>SCALE 1:3</td> <td>DATE 4/21/2016</td> </tr> <tr> <td colspan="2">SHEET 4 OF 7</td> </tr> </table>		MATERIAL	UNLESS OTHERWISE SPECIFIED	VELCRO	DIMENSIONS ARE IN INCHES	HEAT	.XXX ± .010 FRACTIONS ± 1/8	TREAT	.XX ± .03 ANGLES ± 1°	FINISH	X ± .1 SURFACES = 125	SPEC	✓	DRAWN BY: MACKOVJAK	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	QA APPR: LINDSAY	USED ON MODEL	APPROVED: GILBERT	H175	SCALE 1:3	DATE 4/21/2016	SHEET 4 OF 7	
MATERIAL	UNLESS OTHERWISE SPECIFIED																										
VELCRO	DIMENSIONS ARE IN INCHES																										
HEAT	.XXX ± .010 FRACTIONS ± 1/8																										
TREAT	.XX ± .03 ANGLES ± 1°																										
FINISH	X ± .1 SURFACES = 125																										
SPEC	✓																										
DRAWN BY: MACKOVJAK	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R																										
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING																										
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																										
QA APPR: LINDSAY	USED ON MODEL																										
APPROVED: GILBERT	H175																										
SCALE 1:3	DATE 4/21/2016																										
SHEET 4 OF 7																											

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS		
				DESCRIPTION		DATE
						INITIAL
				APPROVED		



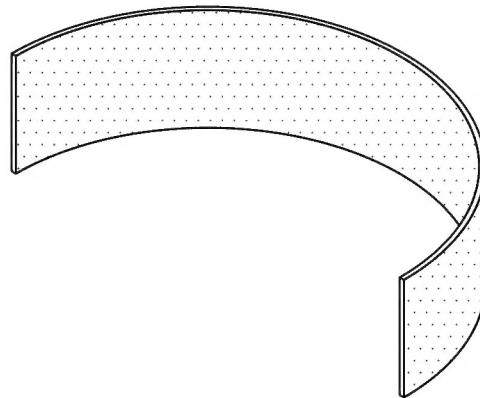
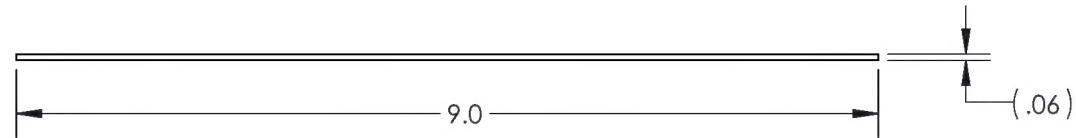
(-11)

VELCRO, HOOK

		TITLE	
FRONT SHAFT PROTECTOR		DWG NO.	
RBEM651V3000121-11		REV	
		2	
MAT'L VELCRO HEAT TREAT FINISH SPEC		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° X ± .1 SURFACES = 125 ✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	MACKOVJAK		
CHECKED:	DUERFELDT		
OPPS APPR:	ANDERSON		
QA APPR:	LINDSAY	USED ON MODEL	
APPROVED:	GILBERT	H175	
SCALE	1:3	DATE	4/21/2016
		SHEET 5 OF 7	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
-----	-----	-----------	-------------	------	---------	----------



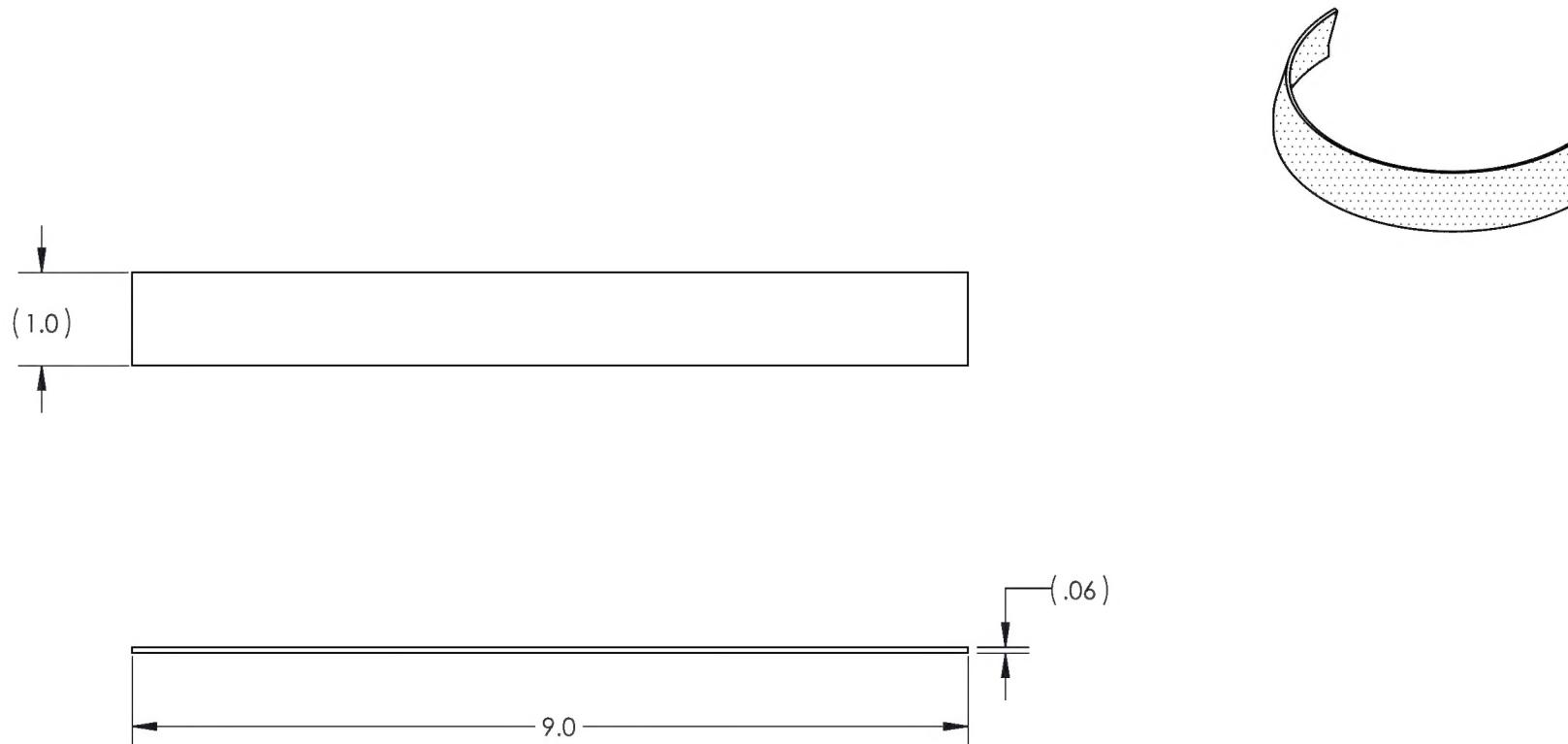
(-13)

BOTTOM FELT

	
TITLE	FRONT SHAFT PROTECTOR
DWG NO.	RBEM651V3000121-13
REV	2
MAT'L	FELT
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
DRAWN BY:	MACKOVJAK
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:2
DATE	4/21/2016
SHEET 6 OF 7	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS			DESCRIPTION		DATE		INITIAL	APPROVED



-15

TOP FELT

TITLE		DART	
		AEROSPACE	
FRONT SHAFT PROTECTOR		REV 2	
DWG NO.		RBEM651V3000121-15	
MATERIAL		FELT	
HEAT		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .010 FRACTIONS ± 1/8	
SPEC		.XX ± .03 ANGLES ± 1°	
DRAWN BY:		X ± .1 SURFACES = 125 ✓	
CHECKED:		1. BREAK ALL SHARP EDGES	
OPPS APPR:		.015 x 45° OR .015R	
QA APPR:		2. DIMENSIONAL LIMITS APPLY	
APPROVED:		AFTER PLATING	
		3. INTERPRET DIM AND TOL PER	
		ASME Y14.5M-2009	
USED ON MODEL			
H175			
SCALE 1:2		DATE 4/21/2016	
		SHEET 7 OF 7	